

WORK PLAN ADDENDUM

PRELIMINARY ENDANGERMENT ASSESSMENT
Former Haley Flying Service
21,000 Paradise Road, Tracy, CA
(Cal-Site # 39070037)

April 21, 2006 GPE Project No. 474.2

Submitted to:

Mr. Eric Wallberg

Department of Toxic Substance Control
8800 Cal Center Drive
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Geo-Phase Environmental Inc.

Phone: (209) 569-0293 Fax: (209) 569-0295



April 21, 2006

Mr. Eric Wallberg California Department of Toxic Substance Control 8800 Cal Center Drive Sacramento, CA 95826

RE: WORK PLAN ADDENDUM – PRELIMINARY ENDANGERMENT ASSESSMENT

Former Haley Flying Service, 21,000 Paradise Road, Tracy (Cal-Site # 39070037)

Mr. Eric Walberg:

The attached Work Plan addendum is submitted on behalf of Mrs. Dorothy Haley, the owner of the subject site, formerly operated as a crop-dusting service. The site is listed on the DTSC "Cal-Site" database, and was the subject of a recent Preliminary Endangerment Assessment (PEA) completed by Geo-Phase Environmental, Inc. on January 18, 2006. The purpose of this addendum is to describe methods and protocols to be used in the collection and testing of additional groundwater samples in the vicinity of the pesticide release identified in the PEA.

Sincerely,

Geo-Phase Environmental Inc. Stephen M. Lankford, RG, REA

President

cc: Dorothy Haley

Ryan Voorhees

San Joaquin County EHD

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1.0 INTRODUCTION

Reference is made to our original Work Plan dated August 3, 2005, and the subsequent Preliminary Endangerment Assessment (PEA) dated January 18, 2006. The PEA identified the presence of significant pesticide contamination in the shallow soil in an area near the east end of the subject site. Two grab groundwater samples collected during the original assessment contained detectable concentrations of various pesticides. These sample results were, however, not considered definitive due to suspected cross-contamination of the sampling equipment from the high concentrations of pesticides in the shallow soil.

Sub-sections 1.1, 1.2, and 1.3 of the original Work Plan provide a site description, the background, and status of the Haley site. Section 5 of the PEA describes the sample results of soil and groundwater samples collected to date.

1.1 Scope of Additional Work

This Addendum describes a series of 6 Geo-Probe soil borings that will be installed in the vicinity of the former chemical mixing and loading area, and the adjacent washout pit. Groundwater samples will be collected from the borings and from the on-site domestic water well (see Figure 2 for boring locations). The samples will be tested for the possible presence of organo-chlorine pesticides.

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2.0 DATA COLLECTION

This section describes the rationale and methods that will be used to obtain the samples and laboratory analytical information to be used in the completion of an addendum to the PEA.

2.1 Field Work

Groundwater samples will be collected at six specific points on the subject site. Three points will be from borings to be installed through the south berm of an irrigation ditch that marks the north line of the site. Other borings will be located south, east and west of the contaminated area. The domestic water well will also be sampled, making a total of seven groundwater samples to be collected.

2.2 Sampling Strategy

The regional direction of groundwater flow in this area is in a northerly direction, although the precise local direction of flow has not been determined. In an attempt to obtain representative groundwater samples in the down-gradient position, three of the borings will be installed on the south berm of the irrigation ditch. These positions will be northwest, north, and northeast of the area of the most intense pesticide contamination. These locations are also unlikely to exhibit high concentrations of pesticides in the soil, thus minimizing the risk of cross-contamination. To assure that a suitable groundwater sample has been obtained regardless of the actual direction of groundwater flow, additional borings will be installed south, east, and west of the area of major contamination, but at points sufficiently distant that shallow soil contamination will be minimal.

The Geo-Probe soil borings (designated B-3 to B-8) will be advanced to a depth sufficient to penetrate the groundwater surface, and a sample of the shallow groundwater will be collected from each of these borings. In addition, a sample will be collected from the onsite domestic water production well.

2.3 Groundwater Sampling and Analysis

Prior to installing the proposed soil borings, the required drilling permit will be obtained from the San Joaquin County Environmental Health Department. The Geo-Probe soil borings will be drilled using 1.5" outside diameter Geo-Probe drilling equipment owned and operated by RSI Drilling of Woodland, CA, a C-57 Licensed drilling contractor. The borings will be advanced to a depth sufficient to penetrate the groundwater surface (est. about 11 feet below grade). The domestic water well and borings B-3 through B-8 are shown on the detailed site sketch map (Figure 2).

See the original Work Plan for information regarding soil boring and sampling procedures. After collecting the final soil sample and a groundwater sample, each boring will be filled to grade with Class G neat cement.

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Phone: (209) 569-0293 Fax: (209) 569-0295 Upon retrieval, each groundwater sample will be transported to Argon Laboratories of Ceres, CA for analytical testing for organo chlorine pesticides by EPA method 8081B. The specific chemicals and their reporting limits are listed in the original Work Plan.

2.4 Waste Disposal

Decon water will be containerized in an appropriate DOT container drum for later recycling by a licensed hazardous waste hauler. No waste soil cuttings will be generated during the Geo-Probe drilling process or shallow soil sampling.

2.5 Documentation

Field documentation procedures are described in the original Work Plan.

2.6 Quality Assurance / Quality Control

See Section 2.2 of the original Work Plan for a general discussion of QA/QC methods and protocols.

For the work described in this addendum, a trip blank prepared by the analytical laboratory will accompany the sample storage containers throughout the sample collection process, and will be returned to the lab for analysis along with the water samples collected in the field. An equipment blank will be collected in the field prior to collecting the final groundwater sample.

2.7 Health and Safety Plan

See Appendix A of the original Work Plan for the Health and Safety Plan.

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3.0 SIGNATURE AND CERTIFICATION

Geo-Phase Environmental Inc. will perform this work in accordance with accepted geologic and hydrologic standards of the State of California including the DTSC document entitled Preliminary Endangerment Assessment, Guidance Manual. Geo-Phase Environmental Inc. is not responsible for undisclosed conditions.

This work plan was prepared by:

Geo-Phase Environmental Inc.

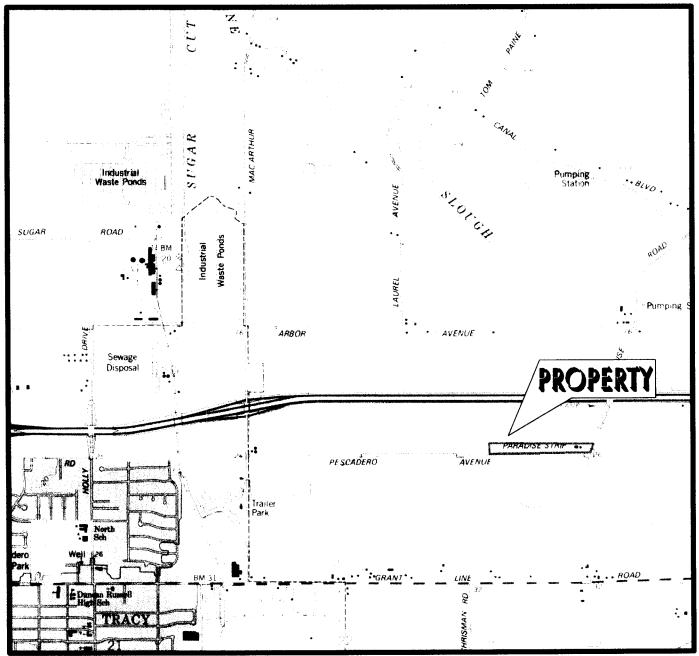
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Modified from the USGS Topographic Man Union Island Quadrangle, 7.5 Minute Series.

USGS Topographic Map Former Haley's Flying Service 21000 Paradise Road Tracy, CA

